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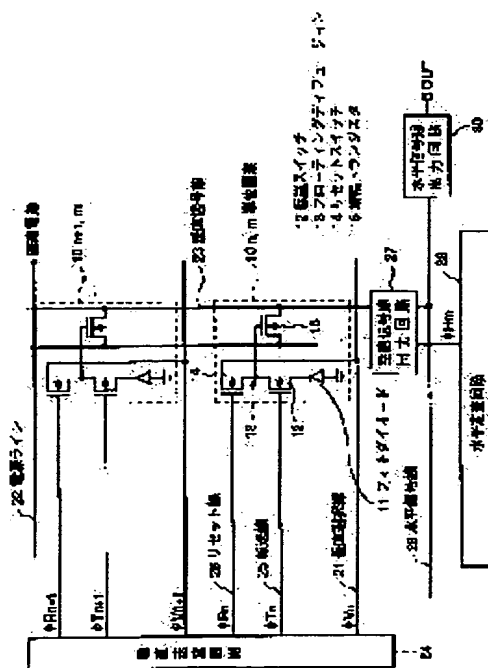
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## (54) SOLID-STATE IMAGE PICKUP ELEMENT, DRIVING METHOD THEREFOR AND CAMERA SYSTEM

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a solid-state image pickup element capable of reducing the constituting element number of a unit picture element provided with an amplification function and reducing a picture element size and to provide a driving method and a camera system.

SOLUTION: The unit picture elements 10n, m arranged in a matrix shape are constituted of a photodiode 11, a transfer switch 12 for transferring charges stored in the photodiode 11, floating diffusion 13 for storing the charges transferred by the transfer switch 12, a reset switch 14 for resetting the floating diffusion 13 and an amplification transistor 15 for outputting signals corresponding to the potential of the floating diffusion 13 to a vertical signal line 23. By controlling the reset potential by supplying a vertical selection pulse  $\phi_{\text{phiv}}$ ; Vn to the drain of the reset switch 14, a picture element is selected by a row unit.



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